

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P691525

Luminaire Tested: **CRTK2-C016-D-U-T3-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691525  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C016-D-U-T3-7050-U0-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

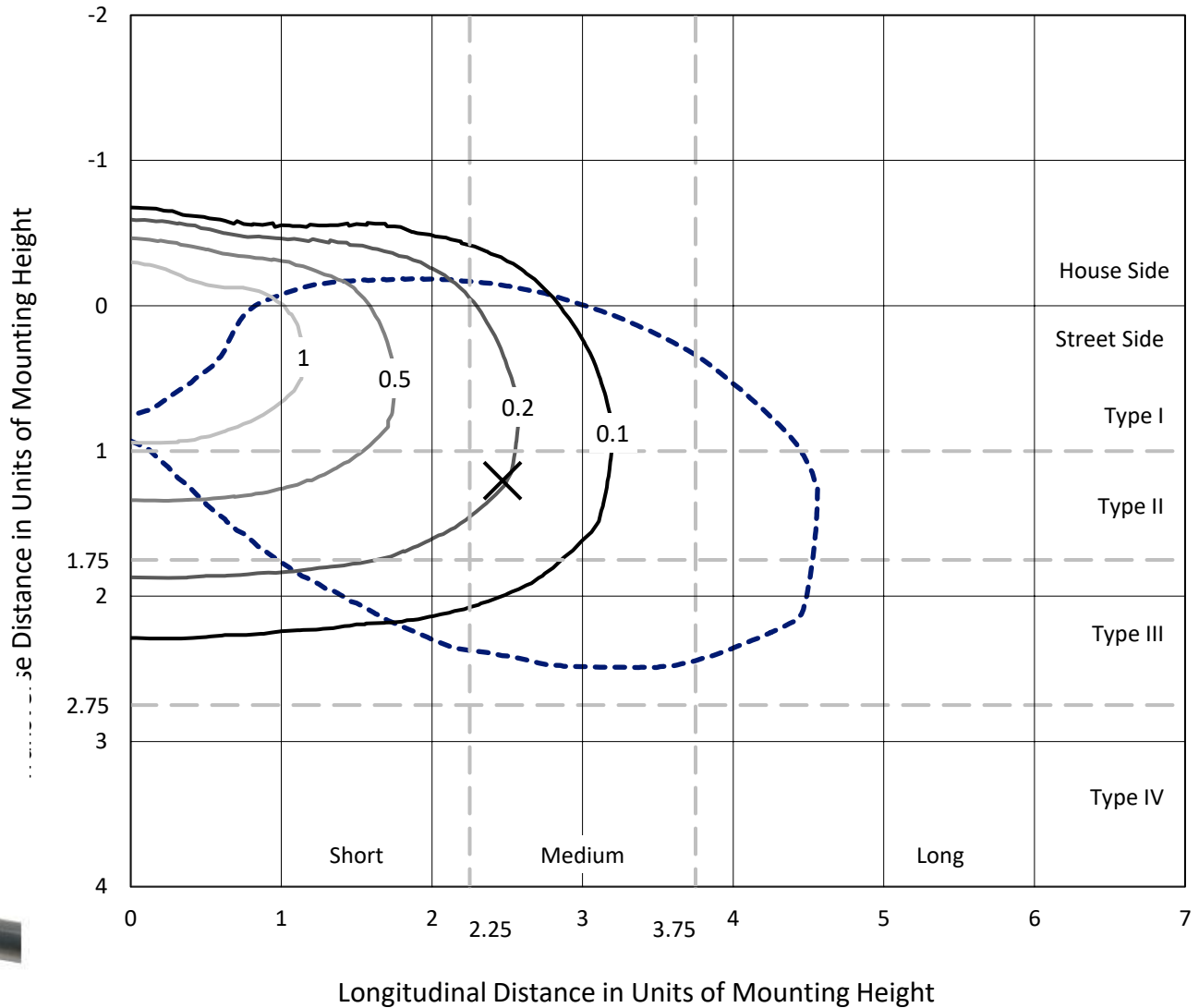
Lumens per Lamp: N/A  
Luminaire Lumens: 5405 lumens  
Efficiency: N/A  
Efficacy: 129.9 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 41.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

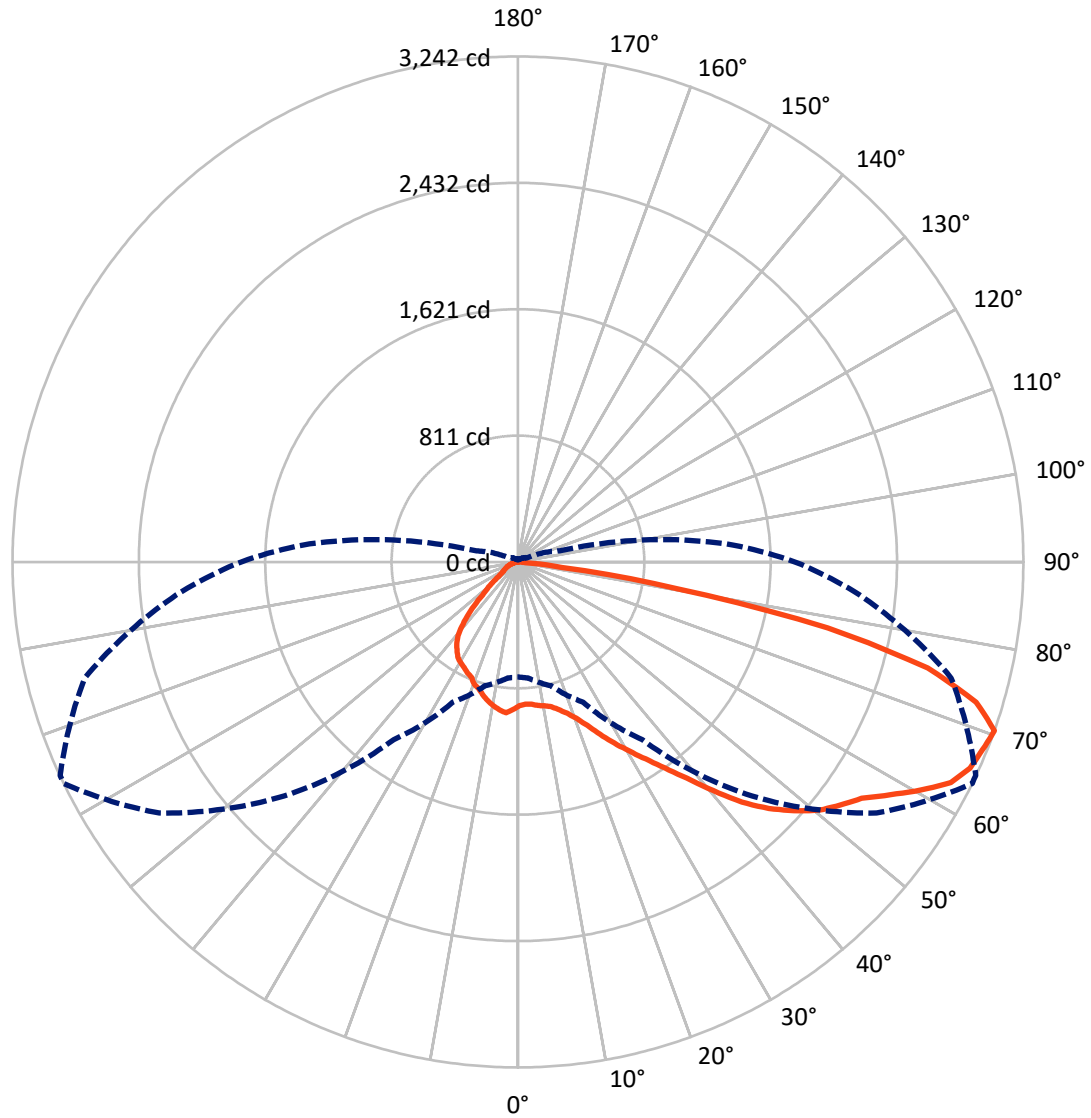
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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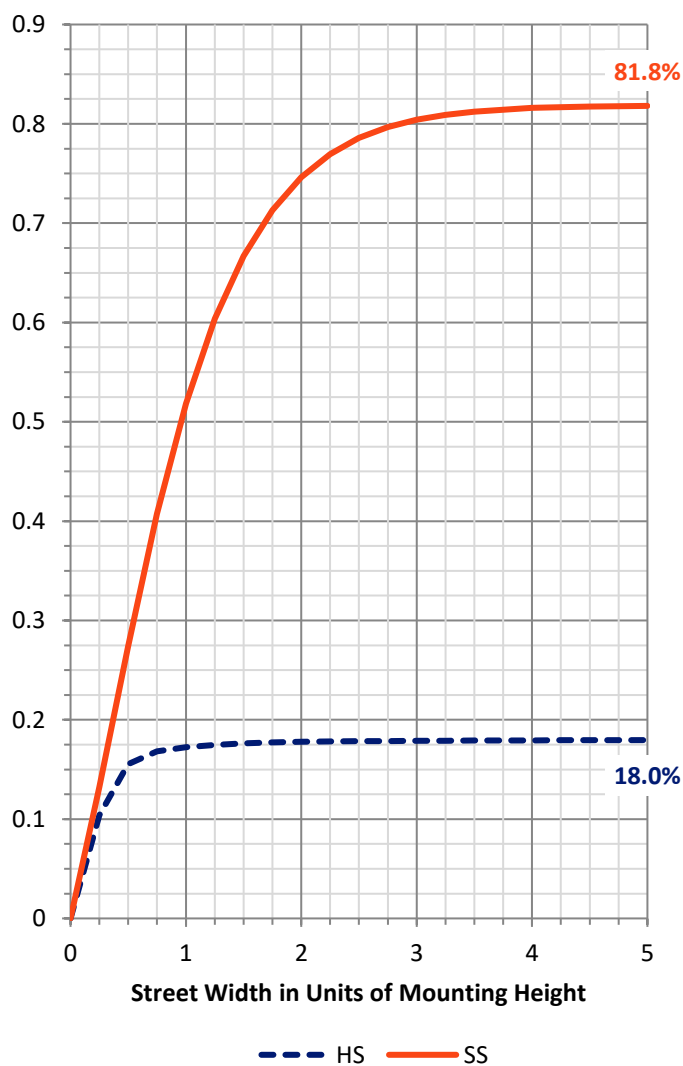
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	982.3	0.0	982.3
	% Fixture	18.2	0.0	18.2
<b>Street Side</b>	Lumens	4422.7	0.0	4422.7
	% Fixture	81.8	0.0	81.8
<b>Total</b>	Lumens	5405.0	0.0	5405.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.9	1.7
10°-20°	266.1	4.9
20°-30°	448.3	8.3
30°-40°	659.8	12.2
40°-50°	904.8	16.7
50°-60°	1100.9	20.4
60°-70°	1168.8	21.6
70°-80°	716.5	13.3
80°-90°	50.0	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5405.0	100.0
0°-180°	5405.0	100.0

**Coefficient of Utilization**



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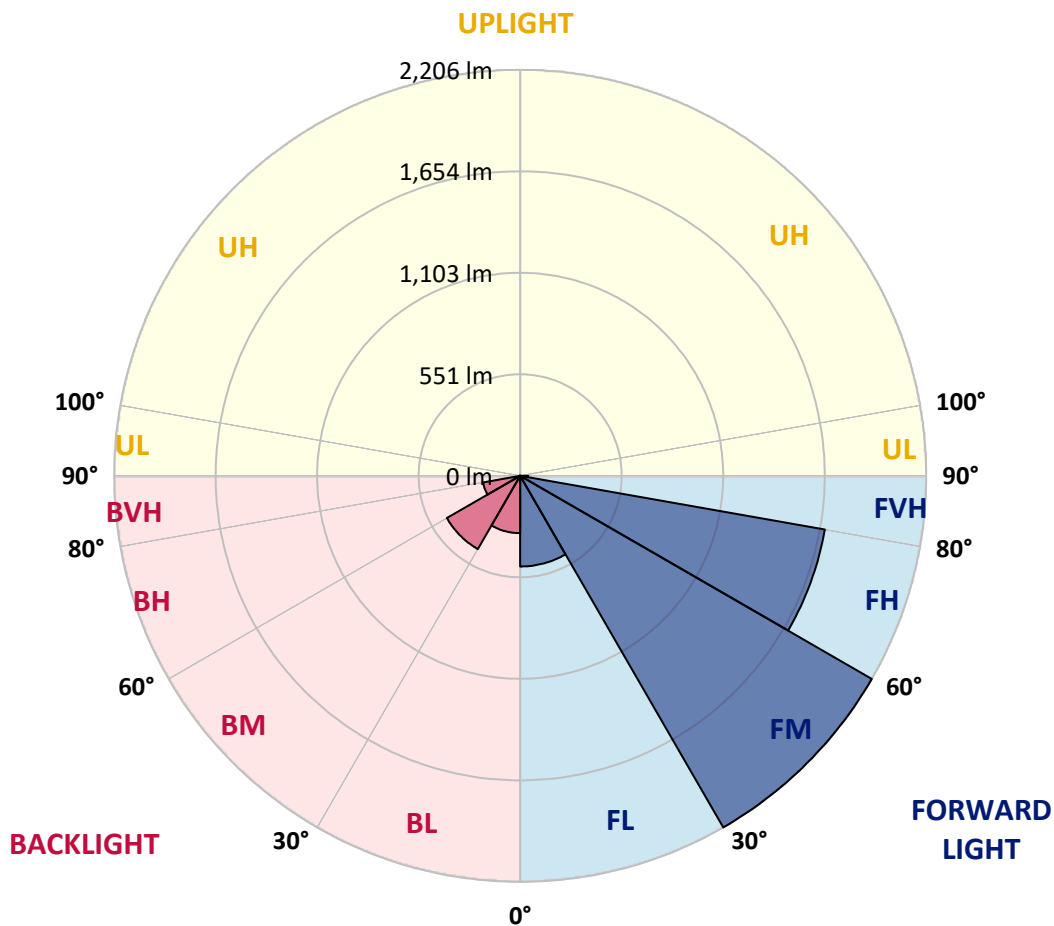
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	492.7	9.1			
FM (30°-60°)	2205.6	40.8			
FH (60°-80°)	1680.8	31.1			G1/1800
FVH (80°-90°)	43.6	0.8			G1/100
BL (0°-30°)	311.6	5.8	B1/500		
BM (30°-60°)	459.8	8.5	B1/1000		
BH (60°-80°)	204.5	3.8	B1/500		G1/500
BVH (80°-90°)	6.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	922.9	922.9	922.9	922.9	922.9	922.9	922.9	922.9	922.9	922.9	922.9
2.5°	913.0	913.0	915.0	913.0	917.0	911.0	913.0	913.0	913.0	915.0	920.9
5°	940.7	940.7	936.8	930.8	924.9	917.0	917.0	917.0	917.0	920.9	934.8
7.5°	958.6	956.6	956.6	956.6	950.6	934.8	930.8	928.8	928.8	928.8	942.7
10°	1002.1	996.2	988.3	976.4	970.4	956.6	940.7	938.7	938.7	940.7	958.6
12.5°	1043.7	1037.8	1037.8	1029.9	1006.1	990.2	962.5	952.6	952.6	956.6	966.5
15°	1113.0	1107.1	1091.2	1077.4	1055.6	1027.9	1000.1	982.3	980.3	988.3	974.4
17.5°	1162.5	1152.6	1154.6	1132.8	1115.0	1075.4	1047.7	1019.9	1019.9	1027.9	1000.1
20°	1210.1	1210.1	1212.1	1210.1	1180.4	1148.7	1103.1	1069.5	1071.4	1073.4	1029.9
22.5°	1281.4	1279.4	1279.4	1281.4	1261.6	1225.9	1176.4	1138.8	1136.8	1121.0	1067.5
25°	1364.6	1360.6	1352.7	1360.6	1350.7	1309.1	1261.6	1223.9	1218.0	1196.2	1122.9
27.5°	1433.9	1433.9	1433.9	1437.8	1437.8	1408.1	1354.7	1315.0	1319.0	1289.3	1188.3
30°	1483.4	1483.4	1501.2	1509.1	1515.1	1505.2	1447.7	1406.1	1414.1	1378.4	1269.5
32.5°	1536.9	1534.9	1558.6	1576.5	1584.4	1588.3	1540.8	1507.1	1509.1	1477.4	1362.6
35°	1586.4	1582.4	1614.1	1651.7	1671.5	1667.6	1633.9	1622.0	1626.0	1616.1	1489.3
37.5°	1622.0	1628.0	1669.5	1719.1	1750.7	1758.7	1736.9	1758.7	1780.5	1794.3	1653.7
40°	1661.6	1661.6	1701.2	1754.7	1804.2	1833.9	1849.8	1929.0	1946.8	1956.7	1750.7
42.5°	1622.0	1635.9	1719.1	1796.3	1861.7	1907.2	1972.6	2105.3	2125.1	2063.7	1879.5
45°	1588.3	1600.2	1683.4	1814.1	1909.2	1998.3	2117.1	2255.8	2275.6	2170.6	1952.8
47.5°	1554.7	1568.5	1655.7	1800.3	1952.8	2099.3	2234.0	2384.5	2394.4	2263.7	2049.8
50°	1517.1	1530.9	1622.0	1782.4	1978.5	2208.2	2348.9	2503.3	2505.3	2344.9	2099.3
52.5°	1469.5	1487.3	1578.4	1756.7	2000.3	2281.5	2451.8	2590.5	2578.6	2443.9	2158.7
55°	1410.1	1429.9	1530.9	1723.0	2012.2	2329.0	2519.2	2675.6	2667.7	2558.8	2236.0
57.5°	1342.8	1364.6	1469.5	1671.5	2008.2	2352.8	2588.5	2816.2	2820.2	2653.8	2293.4
60°	1265.5	1285.3	1384.4	1604.2	1956.7	2396.4	2737.0	2970.7	2984.6	2758.8	2317.2
62.5°	1164.5	1182.3	1277.4	1505.2	1891.4	2428.1	2849.9	3117.3	3111.3	2830.1	2325.1
65°	1037.8	1057.6	1146.7	1374.5	1788.4	2408.3	2885.6	3186.6	3186.6	2881.6	2319.1
67.5°	909.0	926.9	1002.1	1208.1	1622.0	2309.2	2863.8	3214.3	3232.1	2915.3	2265.7
70°	736.7	746.6	821.9	992.2	1390.3	2123.1	2808.3	3242.1	3240.1	2877.6	2164.7
72.5°	540.7	552.6	613.9	744.7	1075.4	1837.9	2634.0	3073.7	3042.0	2675.6	1968.6
75°	279.2	291.1	338.7	467.4	685.2	1297.2	2245.9	2715.2	2709.3	2368.7	1629.9
77.5°	37.6	37.6	43.6	77.2	158.4	516.9	1471.5	2034.0	2022.1	1806.2	1184.3
80°	25.7	25.7	29.7	35.6	45.6	112.9	518.9	1031.8	1049.7	930.8	530.8
82.5°	19.8	17.8	21.8	25.7	27.7	51.5	158.4	285.2	289.2	259.4	162.4
85°	11.9	11.9	11.9	11.9	9.9	13.9	35.6	47.5	53.5	51.5	41.6
87.5°	5.9	5.9	5.9	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	922.9	922.9	922.9	922.9	922.9	922.9	922.9	922.9	922.9	922.9	922.9
2.5°	922.9	928.8	936.8	946.7	956.6	964.5	972.4	976.4	980.3	982.3	984.3
5°	938.7	946.7	956.6	970.4	970.4	964.5	960.5	960.5	964.5	970.4	972.4
7.5°	954.6	962.5	958.6	956.6	958.6	950.6	940.7	934.8	930.8	930.8	934.8
10°	960.5	952.6	948.7	938.7	918.9	915.0	907.1	891.2	887.3	891.2	877.4
12.5°	956.6	950.6	930.8	915.0	895.2	861.5	841.7	841.7	831.8	829.8	831.8
15°	966.5	946.7	922.9	889.2	853.6	825.9	794.2	766.4	758.5	760.5	760.5
17.5°	974.4	954.6	907.1	855.6	823.9	774.4	738.7	722.9	709.0	707.0	707.0
20°	992.2	964.5	897.2	841.7	762.5	724.9	685.2	665.4	643.7	613.9	604.0
22.5°	1019.9	982.3	891.2	804.1	734.8	675.3	617.9	558.5	522.8	499.1	505.0
25°	1057.6	1016.0	897.2	790.2	693.2	617.9	542.7	461.5	408.0	392.1	402.0
27.5°	1124.9	1053.6	915.0	770.4	663.5	550.6	437.7	366.4	316.9	301.0	307.0
30°	1186.3	1111.1	917.0	758.5	615.9	471.4	344.6	265.4	225.8	202.0	196.1
32.5°	1297.2	1172.4	966.5	742.7	566.4	384.2	253.5	176.3	140.6	126.8	122.8
35°	1406.1	1281.4	980.3	713.0	475.3	285.2	156.5	105.0	85.2	75.3	73.3
37.5°	1556.7	1414.1	1037.8	681.3	384.2	174.3	95.1	63.4	59.4	57.4	57.4
40°	1631.9	1483.4	1085.3	635.7	269.3	99.0	61.4	55.5	53.5	51.5	51.5
42.5°	1738.9	1562.6	1124.9	554.5	158.4	65.4	55.5	51.5	49.5	47.5	47.5
45°	1798.3	1604.2	1115.0	455.5	79.2	61.4	53.5	49.5	45.6	45.6	45.6
47.5°	1877.5	1665.6	1089.3	336.7	71.3	59.4	51.5	47.5	45.6	47.5	45.6
50°	1952.8	1725.0	1018.0	267.4	69.3	57.4	51.5	45.6	45.6	45.6	45.6
52.5°	1994.3	1780.5	928.8	196.1	71.3	57.4	49.5	45.6	45.6	43.6	45.6
55°	2034.0	1788.4	857.5	142.6	71.3	55.5	47.5	43.6	41.6	39.6	39.6
57.5°	2061.7	1770.6	800.1	118.8	71.3	55.5	45.6	41.6	35.6	33.7	33.7
60°	2053.8	1727.0	752.6	108.9	67.3	51.5	41.6	35.6	31.7	27.7	27.7
62.5°	2032.0	1701.2	665.4	95.1	61.4	47.5	37.6	29.7	25.7	23.8	23.8
65°	2012.2	1620.0	564.4	85.2	57.4	41.6	31.7	25.7	21.8	19.8	19.8
67.5°	1917.1	1513.1	419.9	73.3	51.5	37.6	27.7	23.8	19.8	17.8	15.8
70°	1776.5	1340.8	275.3	63.4	45.6	31.7	23.8	19.8	15.8	13.9	13.9
72.5°	1536.9	1107.1	142.6	51.5	37.6	27.7	21.8	17.8	13.9	11.9	11.9
75°	1247.7	814.0	85.2	39.6	29.7	23.8	17.8	13.9	11.9	9.9	9.9
77.5°	863.5	449.6	61.4	29.7	19.8	17.8	13.9	11.9	9.9	7.9	7.9
80°	291.1	122.8	43.6	21.8	13.9	13.9	9.9	7.9	7.9	5.9	5.9
82.5°	114.9	75.3	29.7	15.8	11.9	9.9	7.9	5.9	5.9	5.9	5.9
85°	31.7	21.8	11.9	7.9	5.9	5.9	5.9	4.0	4.0	4.0	4.0
87.5°	2.0	4.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)